

ABSTRACT OF THE DISCLOSURE

A method of measuring a concentration of a component in a subject includes setting an intensity relationship equation between a positive-order beam and a negative-order beam with respect to a reference matter at a particular wavelength, applying a light having a first wavelength band absorbed by the component and detecting an intensity of a positive-order beam output from the subject and an intensity of a negative-order beam output from the reference matter, the positive-order beam and the negative-order beam having a second wavelength band, calculating an intensity of a positive-order beam input to the subject by applying the intensity of the negative-order beam output from the reference matter to the intensity relationship equation, and calculating absorbance using the intensity of the positive-order beam output from the subject and the intensity of the positive-order beam input to the subject and measuring a concentration of the component using the absorbance.